

# ABSTRACT

1 A Hall effect sensor assembly including a Hall effect  
2 sensor; an overmolded housing which is overmolded onto  
3 the Hall effect sensor; and a magnet movably connected to  
4 the Hall effect sensor by a movable connection with the  
5 overmolded housing. The movable connection restrains  
6 movement of the magnet to a path along and aligned with a  
7 Hall effect central sensing axis. The magnet is  
8 substantially prevented from tilting relative to the  
9 sensing axis.